



GLAST Monthly PSR

GLAST SSC

JPN (for David L. Band)
Science Lead



Accomplishments



- ▶ ***The Data Challenge 1 (DC1) meeting occurred at Stanford, Dec. 8-9. Several GSSC members attended this workshop. In cooperation with the LAT team, GSSC staff members created the first generation of LAT database and science analysis tools for DC1. Release includes A1 tool, “Likelihood.”***
- ▶ ***Tens of scientists / programmers are utilizing the SW release with 7 days of synthetic LAT data — the general objectives are to ferret out bugs in current release and refine requirements for later releases, and build data visualization requirements.***
- ▶ ***Trade studies have been set up for (1) observation planning tool {TAKO, alternate from Earth Sciences}, and (2) pipeline management tool {OPUS, XTE and Swift approaches}. The GSSC personnel for these trades have been ID’ed.***



More Accomplishments

- ▶ ***Two “Code Architects” — Toby Burnett (LAT) and James Peachey (GSSC, HEASARC) — have been appointed by Richard Dubois, to oversee coordination of LAT science analysis tools development. These appointments will speed and improve the overall integrated design and implementation of LAT SW tools.***

- ▶ ***GSSC personnel reapplications (discussions with Band, Schaefer)***
 - *Ramping up emphasis on operations SW*
 - *One member leaving group*
 - *Enlisting two experienced (fractional) FTEs for Operations*
 - *Data Ingest / Pipeline Management Tools*
 - *One FTE to design, implement*
 - *GSSC Science Analysis Tools group firming up*
 - *4-5 fractional FTEs (~ 3.0 FTEs total) within GSSC*



More Accomplishments

- ▶ ***At the operations TIM (after the MOC peer review) the role of the GSSC in commanding and constructing the weekly timeline was refined. Commands from the IOCs will include an XML header informing the GSSC what the commands do and when they should be implemented.***

Although the observing timeline in Phase 1 will be simple (survey mode), commands will begin flowing through the GSSC, and the GSSC will generate the observation timeline, starting in Phase 1.



Issues/Problems



- ▶ ***During Phase 1 most of the GSSC's operations functions will not be used (survey mode obviates need for science timelines; commands bypass the GSSC; the GSSC only receives Level 1 data for transients). How will the GSSC be integrated into operations during Phase 1?***



Upcoming Events



- ▶ **February** — ***2nd draft of Science Data Products ICD***
- ▶ **February 12-13** — ***Wrap-up meeting for DC1***
- ▶ **April 6** — ***MOC Detailed Design Peer Review***
- ▶ **April 20** — ***GSSC Detailed Design Peer Review***
- ▶ **May** — ***Baseline Science Data Products ICD***



Rolling Wave Schedule



- ▶ ***See Ground System Schedule***